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8 June 1965

CENTRAL INSTITUTE OF AERO-ENGINES (TsIAM)

MOSCOW, USSR

1. THE CENTRAL INSTITUTE OF AERO-ENGINES IMENI P.I. BARANOV (TsIAM) IS THE CENTER OF THEORETICAL RESEARCH FOR AIRCRAFT ENGINE DESIGN AND IS THE SOURCE OF MOST OF THE ADVANCES IN SOVIET AERO-ENGINE TECHNOLOGY. THIS INSTITUTE ORIGINATED AS AN OFFSHOOT OF THE CENTRAL AERO-HYDRODYNAMICS INSTITUTE (TsAGI) BEFORE WORLD WAR II AND ITS MAIN FACILITIES WERE LOCATED WITHIN THE CITY OF MOSCOW.

THE OBJECTIVES OF TsIAM HAVE BEEN STATED AS: THE STUDY OF AND IMPROVEMENT ON NEW ENGINE DESIGNS; THE TESTING OF ENGINES, LIFE AND ENDURANCE; PROVISION OF BASIC DATA; AND TROUBLE SHOOTING. SINCE ONLY SPORADIC INFORMATION IS AVAILABLE ABOUT THE WORK WHICH GOES ON AT TsIAM, THE ANALYSIS OF THE MOSCOW PLANT'S EXTENSIVE TEST FACILITIES PROVIDED AN INSIGHT INTO THE SCOPE OF PROBLEMS AND TESTS CONDUCTED THERE. VARIOUS REPORTS REFER TO SUCH EQUIPMENT AS: 4 TEST BEDS, EACH CAPABLE OF 400 LB/SEC MASS FLOW CAPACITY; A TEST BED WHERE GAS TURBINES OF THRUSTS UP TO 40,000 LBS COULD BE MEASURED; ALTITUDE TEST CHAMBERS; AND AN ALTITUDE TEST PLANT FOR TURBO-PROP AND TURBO-JET ENGINES.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of issue.

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[redacted] 25X1

3. FURTHER STUDY OF THE MOSCOW AREA ON [redacted] 25X1

[redacted] REVEALS THAT A LARGE AEROSPACE CENTER IS LOCATED 6 NM WEST OF THE RAMENSKOYE FLIGHT TEST CENTER AND IN CLOSE PROXIMITY TO MOSCOW/ MYACHKOVO AIRFIELD. THE CENTER APPEARS TO CONTAIN FACILITIES FOR DEVELOPMENT AND EVALUATION TESTING OF PROPULSION SYSTEMS AND ADVANCED AIRCRAFT. 25X1

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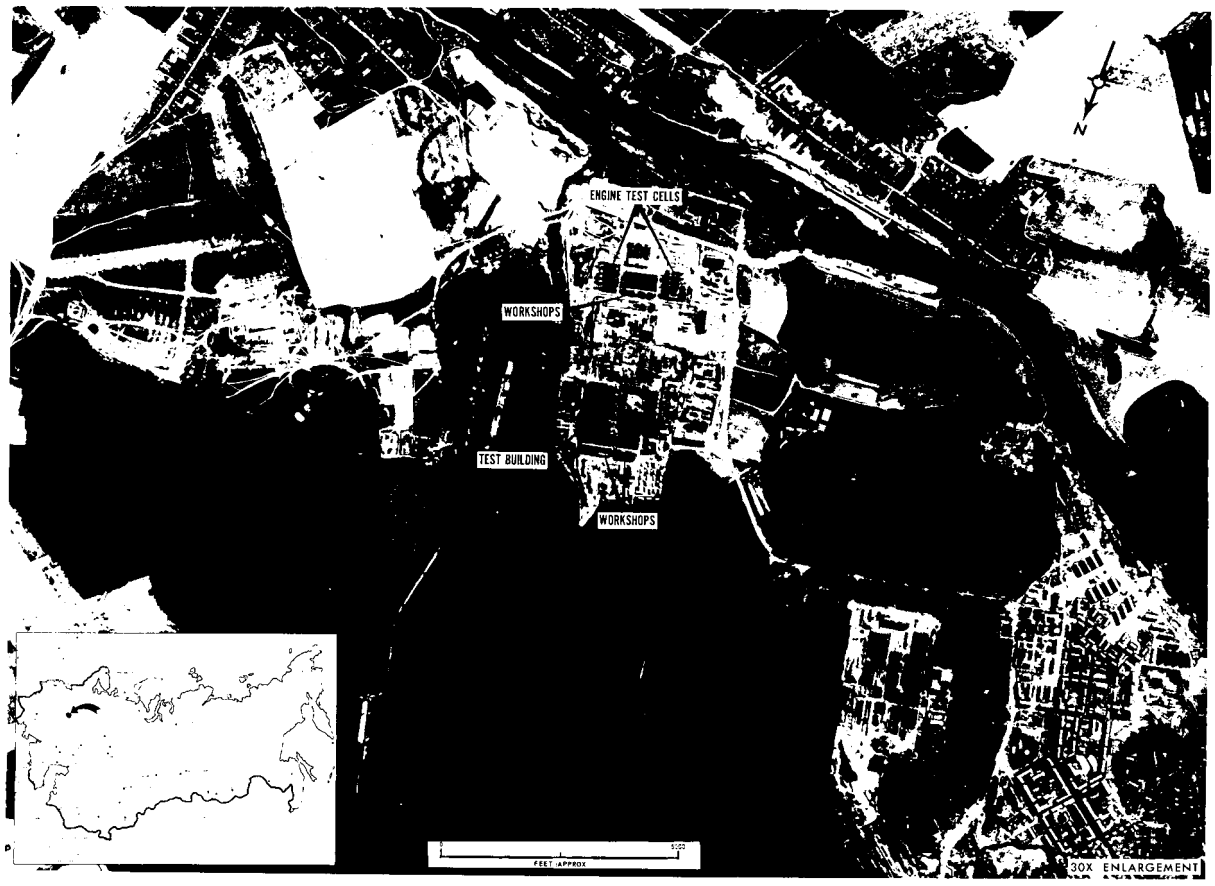
MOSCOW, USSR
55-34N 37-56E



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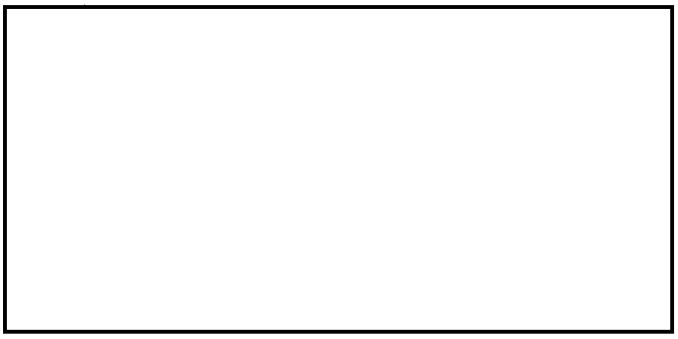

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